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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/508,400	01/21/2005	Jonathan Wilkinson		9303
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EDWIN D. SCHINDLER FIVE HIRSCH AVENUE P.O. BOX 966 CORAM, NY 11727-0966			EXAMINER NORTON, JENNIFER L	
			ART UNIT 2121	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/508,400	Applicant(s) WILKINSON, JONATHAN	
	Examiner Jennifer L. Norton	Art Unit 2121	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 October 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 45-73 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 45-73 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 September 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>07 April 2005</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 45-73 are pending.

Drawings

2. The drawings are objected to because Fig. 1, element 10 is placed in between parenthesis, "(10)", the parenthesis should be removed. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

3. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: Fig. 2, element 30 and Fig. 4, element 106-109 and 111. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.
4. The drawings are objected to because Sheet 6 of 12, Sheet 7 of 12 and Sheet 9 of 12 do not contain figure numbers. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must

be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

5. The drawings are objected to, Fig. 8, element 370 description in the Drawings should be further clarified in accordance with its description in the Specification, pg. 7, par. [0170]. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing

date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

6. The drawings are objected to, Fig. 10, element 80, 520 and 530 description in the Drawings should be further clarified in accordance with its description in the Specification, pg. 8, par. [0200], pg. 9, par. [0205] and [0215], respectively. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the

applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

7. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: Fig. 10, element 500. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

9. Claims 45, 46, 48-53, 59-63 and 65-70 are rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent No. 6,052,669 (hereinafter Smith).

10. As per claim 45, Smith discloses a method for generating an illustration (col. 3, lines 57-59) of a first device (col. 4, lines 63-65 and col. 9, lines 24-34; i.e. typical configuration), said first device being one device of a plurality of devices (col. 9, lines 24-29), said method comprising the steps of:

providing a plurality of illustration templates (col. 9, lines 24-29; i.e. typical configuration) with each illustration template of said plurality of illustration templates corresponding to one device of a plurality of devices (col. 6, lines 5-12);

choosing one said illustration template corresponding a first device of said plurality of devices (col. 9, lines 29-36); and

modifying said illustration template corresponding to said first device in response to features of said first device for generating an illustration of said first device (col. 9, lines 48-52 and col. 65-67 and col. 10, lines 1-4 and 18-35).

11. As per claim 46, Smith discloses said plurality of illustration templates are stored in a database form (col. 5, lines 36-44).

12. As per claim 48, Smith discloses said step of modifying said illustration template corresponding to said first device comprises the step of adding dimensions to said illustration template (col. 6, lines 13-25, col. 9, lines 65-67 and col. 10, lines 1-5).

13. As per claim 49, Smith discloses said step of modifying said illustration template corresponding to said first device comprises the step of generating an image in said illustration template (col. 4, lines 63-65, col. 9, lines 48-52 and col. 10, lines 36-40).

14. As per claim 50, Smith discloses said step of modifying said illustration template corresponding to said first device comprises the step of altering an image in said illustration image (col. 6, lines 13-25, col. 9, lines 48-67 and col. 10, lines 1-5).

15. As per claim 51, Smith discloses the step of storing data pertaining to said illustration of said first device following generation of said illustration (col. 8, lines 59-63).

16. As per claim 52, Smith discloses said illustration of said first device is a two-dimensional illustration (col. 3, lines 57-59 and col. 6, lines 31-33).

17. As per claim 53, Smith discloses said illustration of said first device is a three-dimensional illustration (col. 3, lines 57-59, col. 6, lines 13-23).

18. As per claim 59, Smith discloses a computer software program (col. 53, lines 4-7) for executing a method for generating an illustration (col. 3, lines 53-59) of a first device (col. 4, lines 63-65 and col. 9, lines 24-34; i.e. typical configuration), said first device being one device of a plurality of devices (col. 9, lines 24-29), said method comprising the steps of:

providing a plurality of illustration templates (col. 9, lines 24-29; i.e. typical configuration) with each illustration template of said plurality of illustration templates corresponding to one device of a plurality of devices (col. 6, lines 5-12);

choosing one said illustration template corresponding a first device of said plurality of devices (col. 9, lines 29-36); and

modifying said illustration template corresponding to said first device in response to features of said first device for generating an illustration of said first device (col. 9, lines 48-52 and col. 65-67 and col. 10, lines 1-4 and 18-35).

19. As per claim 60, Smith discloses a system for generating an illustration (col. 3, lines 57-59) of a first device (col. 4, lines 63-65 and col. 9, lines 24-34; i.e. typical configuration), said first device being one device of a plurality of devices (col. 9, lines 24-29), said system comprising:

a plurality of illustration templates (col. 9, lines 24-29; i.e. typical configuration) with each illustration template of said plurality of illustration templates corresponding to one device of a plurality of devices (col. 6, lines 5-12);

means for choosing one said illustration template (col. 4, lines 57-61, col. 6, lines 60-65 and Fig. 1, element 104) corresponding a first device of said plurality of devices (col. 9, lines 29-36); and

means for modifying (Fig. 2, element 116) said illustration template (i.e. typical configuration) corresponding to said first device responsive to features of said first device for generating an illustration of said first device (col. 4, lines 63-65, col. 6, lines 5-25 and Fig. 1, element 106).

20. As per claim 61, Smith discloses said plurality of illustration templates are stored in a database form (col. 5, lines 36-44).

21. As per claim 62, Smith discloses a user interface having means for enabling a user to specify features of said first device (col. 6, lines 66-67 and col. 7, lines 1-2).

22. As per claim 63, Smith discloses a user interface located remotely from said plurality of illustration templates (col. 3, lines 40-42 and col. col. 5, lines 30-35).

23. As per claim 65, Smith discloses said means for modifying said illustration template corresponding to said first device includes means for adding dimensions (Fig. 2, element 118) to said illustration template (col. 6, lines 13-25, col. 9, lines 65-67 and col. 10, lines 1-5).

24. As per claim 66, Smith discloses said means for modifying said illustration template corresponding to said first device includes means for generating an image (Fig. 1, element 106) in said illustration template (col. 4, lines 63-65, col. 9, lines 48-52 and col. 10, lines 36-40).

25. As per claim 67, Smith discloses said means for modifying said illustration template corresponding to said first device includes means for altering an image (Fig. 2, element 116) in said illustration template (col. 6, lines 13-25, col. 9, lines 48-67 and col. 10, lines 1-5).

26. As per claim 68, Smith discloses a database (col. 5, lines 40-45) for storing data pertaining to said illustration of said first device following generation of said illustration (col. 8, lines 59-63).

27. As per claim 69, Smith discloses said illustration of said first device is a two-dimensional illustration (col. 3, lines 57-59 and col. 6, lines 31-33).

28. As per claim 70, Smith discloses said illustration of said first device is a three-dimensional illustration (col. 3, lines 57-59, col. 6, lines 13-23).

Claim Rejections - 35 USC § 103

29. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

30. Claims 47 and 64 are rejected under 35 U.S.C. 103(a) as being unpatentable over Smith in view of European Patent Application No. 0 801 355 A2 (hereinafter Prilutsky).

31. As per claim 47, Smith does not expressly teach said step of modifying said illustration template corresponding to said first device comprises the step of adding text to said illustration template.

Prilutsky teaches to modifying a device using an input user interface that allows the user to input text (pg. 6, lines 12-15 and Table 1).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Smith to include modifying a device using an input user interface that allows the user to input text to provide enormous gains in efficiency, typically reducing a design cycle and sales estimate (pg. 3, par. 7-9).

32. As per claim 64, Smith does not expressly teach said means for modifying said illustration template corresponding to said first device includes means for adding text to said illustration template.

Prilutsky teaches to modifying a device using an input user interface that allows the user to input text (pg. 6, lines 12-15 and Table 1).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Smith to include modifying a device using an input user interface that allows the user to input text to provide enormous gains in efficiency, typically reducing a design cycle and sales estimate (pg. 3, par. 7-9).

33. Claims 54-58 and 71-73 are rejected under 35 U.S.C. 103(a) as being unpatentable over Smith in view of U.S. Patent No. 6,173,210 (hereinafter Bjornson).

34. As per claim 54, Smith does not expressly teach said first device comprises a mechanical seal.

Bjornson teaches to an automated system that supports the selection and modification of a seal (col. 10, lines 19-26 and col. 11, lines 14-18).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Smith to include an automated system that supports the selection and modification of a seal to allow the selection of a seal based upon a seal part number, or selection of a seal based upon the pump into which the seal will be installed, and also the operating conditions of the pump (abstract, lines 11-14); in addition to providing a standardized method for optimal gathering, analyzing, interpreting and deriving data relating to the seal selection process (col. 42, lines 5-9).

35. As per claim 55, Smith does not expressly teach said first device comprises a mechanical pump.

36.

Bjornson teaches to an automated system that supports the selection and modification of a pump (col. 10, lines 19-26, col. 11, lines 20-32 and col. 17, lines 1-29).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Smith to include an automated system that supports the selection and modification of a pump to allow the selection of a seal based upon a seal part number, or selection of a seal based upon the pump into which the seal will be installed, and also the operating conditions of the pump (abstract, lines 11-14); in addition to providing a standardized method for optimal

gathering, analyzing, interpreting and deriving data relating to the seal selection process (col. 42, lines 5-9).

37. As per claim 56, Smith does not expressly teach said first device comprises at least a first part and a second part.

Bjornson teaches to an automated system that supports the selection and modification of pump (col. 10, lines 19-26, col. 11, lines 20-32 and col. 17, lines 1-29) and seal (col. 10, lines 19-26 and col. 11, lines 14-18).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Smith to include an automated system that supports the selection and modification of a pump and seal to allow the selection of a seal based upon a seal part number, or selection of a seal based upon the pump into which the seal will be installed, and also the operating conditions of the pump (abstract, lines 11-14); in addition to providing a standardized method for optimal gathering, analyzing, interpreting and deriving data relating to the seal selection process (col. 42, lines 5-9).

38. As per claim 57, Smith does not expressly teach said first part of said first device is a mechanical seal.

Bjornson teaches to an automated system that supports the selection and modification of a seal (col. 10, lines 19-26 and col. 11, lines 14-18).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Smith to include an automated system that supports the selection and modification of a seal to allow the selection of a seal based upon a seal part number, or selection of a seal based upon the pump into which the seal will be installed, and also the operating conditions of the pump (abstract, lines 11-14); in addition to providing a standardized method for optimal gathering, analyzing, interpreting and deriving data relating to the seal selection process (col. 42, lines 5-9).

39. As per claim 58, Smith does not expressly teach said second part of said first device is a mechanical pump.

Bjornson teaches to an automated system that supports the selection and modification of a pump (col. 10, lines 19-26, col. 11, lines 20-32 and col. 17, lines 1-29).

Therefore, it would have been obvious to a person of ordinary skill in the art at

the time of applicant's invention to modify the teaching of Smith to include an automated system that supports the selection and modification of a pump to allow the selection of a seal based upon a seal part number, or selection of a seal based upon the pump into which the seal will be installed, and also the operating conditions of the pump (abstract, lines 11-14); in addition to providing a standardized method for optimal gathering, analyzing, interpreting and deriving data relating to the seal selection process (col. 42, lines 5-9).

40. As per claim 71, Smith does not expressly teach said first device comprises a mechanical seal.

Bjornson teaches to an automated system that supports the selection and modification of a seal (col. 10, lines 19-26 and col. 11, lines 14-18).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Smith to include an automated system that supports the selection and modification of a seal to allow the selection of a seal based upon a seal part number, or selection of a seal based upon the pump into which the seal will be installed, and also the operating conditions of the pump (abstract, lines 11-14); in addition to providing a standardized method for

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optimal gathering, analyzing, interpreting and deriving data relating to the seal selection process (col. 42, lines 5-9).

41. As per claim 72, Smith does not expressly teach said first device comprises a mechanical pump.

Bjornson teaches to an automated system that supports the selection and modification of a pump (col. 10, lines 19-26, col. 11, lines 20-32 and col. 17, lines 1-29).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Smith to include an automated system that supports the selection and modification of a pump to allow the selection of a seal based upon a seal part number, or selection of a seal based upon the pump into which the seal will be installed, and also the operating conditions of the pump (abstract, lines 11-14); in addition to providing a standardized method for optimal gathering, analyzing, interpreting and deriving data relating to the seal selection process (col. 42, lines 5-9).

42. As per claim 73, Smith does not expressly teach said first device comprises a mechanical pump and mechanical seal.

Bjornson teaches to an automated system that supports the selection and modification of pump (col. 10, lines 19-26, col. 11, lines 20-32 and col. 17, lines 1-29) and seal (col. 10, lines 19-26 and col. 11, lines 14-18).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of applicant's invention to modify the teaching of Smith to include an automated system that supports the selection and modification of a pump and seal to allow the selection of a seal based upon a seal part number, or selection of a seal based upon the pump into which the seal will be installed, and also the operating conditions of the pump (abstract, lines 11-14); in addition to providing a standardized method for optimal gathering, analyzing, interpreting and deriving data relating to the seal selection process (col. 42, lines 5-9).

Conclusion

The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

The following references are cited to further show the state of the art with respect to a product configurator.

U.S. Patent Publication No. 2007/0027564 discloses a two-way communication and data transfer system allows a field technician and a designer to work together to create a retrofit design for a flow system, make a cost estimate for the retrofit, and gather an approval from a customer all in a single visit to the customer site.

U.S. Patent Publication No. 2007/0078526 discloses an industrial automation system, in a system that includes a base presentation component to display one or more elements of an industrial control environment.

U.S. Patent Publication No. 2007/0130508 discloses a manufacturing or service installation has a number of hardware devices for performing tasks.

U.S. Patent No. 5,202,837 discloses a process and apparatus for providing simulation and modeling and control which permits user feedback for purposes of implementing design and process optimization for composite or powder compact materials.

U.S. Patent No. 5,808,616 discloses a computer operated three-dimensional shape modeler where a group of parts are to be edified, a view of the parts layout is selected by the designer and list of the parts is created in the computer memory for that view.

U.S. Patent No. 5,812,394 discloses an object-oriented development system for developing control schemes for facilities includes a device diagramming component for describing a physical description of a facility and a logical definition of a control scheme for the facility.

U.S. Patent No. 5,844,554 discloses a computer implemented method of generating a user product configuration program module from a development environment.

U.S. Patent No. 6,393,331 discloses a method of designing an outer air seal for the turbine blades of a gas turbine engine utilizes a knowledge-based product model software program for generating a parametric, three-dimensional, geometric model of the air seal.

U.S. Patent No. 6,625,507 discloses a method and system for designing a low pressure turbine shaft comprising the steps of creating a low pressure turbine shaft knowledge base of information.

U.S. Patent No. 6,772,017 discloses a tool that includes spatial information for configuring and managing a process control system that conforms to a standard protocol.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer L. Norton whose telephone number is 571-272-3694. The examiner can normally be reached on 8:00 a.m. - 4:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Knight can be reached on 571-272-3687. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Anthony Knight
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Art Unit 2121